



HARVEY LOGAN

Read Our Great Story On The Inside Page
"Nan of Music Mountain"
Where This Noted Outlaw Is Mentioned As
One Of The Principal Characters

NAN of MUSIC MOUNTAIN

By FRANK H. SPEARMAN
Author of "Whispering Smith"

HOW would you like
the job of cleaning out
a gang of desperate out-
laws who long had terrorized
the country surrounding their
mountain home?

That is the job assigned to Henry
de Spain, young, good looking, a crack
shot and who knows no fear. He
accepts the task and meets Nan, a high-
spirited niece of the leader of the band.

There are many thrilling adventures
in the war that follows—hand-to-hand
combats, pursuits, captures and escapes
through all of which is interwoven his grow-
ing love for the mountain lass.

Here is a story as interesting and absorb-
ing as any you have read in a long time. It is
our new serial and we want you to be on
the lookout for the first installment. You will
miss a big treat if you don't read it.

PRICE OF EGGS WILL BE HIGH

High Prices Indicate Profit to
the Producer Who Retains
His Thrifty Pullets

MARKET COCKERELS EARLY

Cockerels Weighing Two Pounds
Should Be Sold, for the Feed They
Eat From Then On Is Expensive—
Sell the Unthrifty Pullets, Too.

(By R. N. Crane, Division of Extension,
University of Tennessee.)

Since the prices of feed have every
indication of being high throughout
the year, it would seem that the best
time to market all young cockerels
(except a few of the best which one
should retain for breeding purposes),
is when they weigh 1½ pounds to 2
pounds each. The pullets will do
much better with the cockerels off the
yard. At this season feed is usually
scarce on the average farm and with
the cockerels off the road one will be
able to feed the pullets sufficiently
well to mature them early for winter
layers. It will be well also to market
any pullets which do not show a good
thrifty appearance, denoting strong
vitality, for they cannot be expected
to mature into good layers.

Remember that your money from
poultry is not from the spring
chickens, but rather from the eggs
which the pullets lay. Do not be too
eager to sell the half-grown pullet as
a fryer for 25 cents when by spending
another 25 cents for feed to be used
with the waste that is necessary on
the farm at this season will mature
her into a profitable layer, that, in
place of selling for 25 cents, will give
you \$2.50 worth of eggs and then
bring 75 cents to \$1.00 as a fowl at the
end of two years.

Keep the pullets as long as they are
thrifty, no matter what their color
may be. Color has nothing to do with
the quantity of eggs produced, and
from present indications egg prices
will be the highest this winter that
the United States have ever experi-
enced.

WHAT IS A COW TESTING ASSOCIATION?

Interest Increasing in Tennessee Be-
cause of Increased Profits Where
Cows Have Been Tested.

(By C. A. Hutton, Division of Extension,
University of Tennessee.)

The object of a cow testing associ-
ation is that the members may know
just how much net profit they are
making from their herds, which cows
are making the profit and which ones
are being kept at a loss. A man well
qualified for the work is employed by
the association as tester. He spends
one day each month with each mem-
ber of the association. He arrives at
the member's home in the afternoon
just before milking time, weighs the
milk of each individual cow, takes
samples for testing, and also weighs
the feed. He does the same thing in
the morning, after which the samples
are tested and the records of milk
and butter fat production for the
month are worked out, based upon
the yield for that day. The amount
and cost of feed consumed by each
cow is also worked out and the figures
are all posted up by the tester in a
herd record book furnished each mem-
ber by the Dairy Division. The owner
can see at a glance just how much net
profit or loss each cow has made and
the amount of net profit made each
month from the whole herd.

The average cost of this work is
\$1.50 per cow per year. The members
of the Jefferson-Hamblen Cow Testing
Association have found the work very
profitable to them. During the fourth
month the total increased net profit
from their herds was \$1,041 more than
it was the first month. The increase
was due almost entirely to instruc-
tions of the tester in regard to proper
feeding and management. One mem-
ber's net profit from his herd was in-
creased from \$5.50 the first month to
\$130.98 the fourth month.

REMOVE USELESS FENCES

(By C. E. Allred, Division of Extension,
University of Tennessee.)

For every dollar's worth of live
stock kept in Tennessee another dol-
lar is spent for fences to restrain
them, say men who make estimates.

In pioneer days there was a tempta-
tion to split the tender logs into great
rails and construct fences with them.
Each winter a few acres of land were
cleared and each year's clearing was
surrounded by a ten-rail fence, which
served to discourage some of the
larger wild animals and the loose farm
animals from destroying the crops.
Sometimes the surface stones were so
thick they had to be removed to make
room for the plow, and these were
put into fences.

In this way our farms came to be
cut up into many small fields, each sur-
rounded by a fence. But now, with
the use of modern machinery, these
fences are in the way and expensive
to keep up. All cross fences should
be eliminated, except those absolutely
necessary to keep the live stock in
their pastures.

SMUT KILLED ON SEED OATS BY SIMPLE METHOD

Losses of Three to Fifteen Bushels
Per Acre Prevented When Formalin
Treatment Is Applied.

(By J. C. McAmis, Division of Extension,
University of Tennessee.)

Losses of three to fifteen bushels
of oats per acre were sustained last
year by farmers who did not kill the
smut on the seed grain before it was
put into the soil. The expense of
treating seed oats is low. Doubtless,
the most convenient method of killing
smut in oats is to treat the seed with
formalin. Formalin is a 40 per cent
solution of formaldehyde, and is a
deadly poison to the smut. A pint
is practically a pound, and when
mixed with 40 to 45 gallons of water
is enough to treat 50 bushels of grain.
When smaller amounts are needed
two tablespoons of formalin with
three gallons of water gives about the
same strength of solution.

There are two ways of applying for-
malin to the seed. The first is to
place the seed in a sack or basket and
dip it directly into a vessel contain-
ing the solution, at the same time
stirring the seed so that it will be
perfectly wet throughout. Then drain
off the surplus water and place the
seed in a pile on a clean floor or can-
vas and cover with a heavy cloth or
sacking of some kind to hold in the
vapor. After twelve hours spread the
seed out to dry in a place that is free
from smut. As soon as it is thor-
oughly dried it may be placed in clean
sacks and is then ready for seeding
any time within several weeks.

Another method of applying the so-
lution is to place the grain on a clean
floor and sprinkle it with a common
garden sprinkler. Then stir the seed
thoroughly with a shovel and sprinkle
again, repeating the process until all
the seeds are wet with the solution.
Shovel into a pile and cover with a
heavy cloth for twelve hours, and then
dry the seed as mentioned above.

Care should be taken not to let the
grain sprout before seeding. If the
grain is sown before it is thoroughly
dry a larger amount per acre should
be used.

CATTLE DISEASE REDUCES PROFIT

Contagious Abortion Exists in
Tennessee and Must Be
Fought Vigorously

SANITARY MEASURES ARE GOOD

Best of Scientific Skill Has Not Yet
Perfectured a Cure—Cleanliness and
Good Care Are Best Known Means
of Controlling the Disease.

(By C. D. Lowe, Division of Extension,
University of Tennessee.)

Contagious abortion in cattle is
spreading rapidly. It threatens to be-
come one of the most widespread animal
diseases.

At present time sanitary and hy-
gienic measures of control are the
only ones which have demonstrated
their usefulness. The drugs and prop-
rietary preparations which have been
advocated for the cure or prevention
of the disease are regarded as ineffec-
tive. Their use is not recom-
mended.

Recently preparations known as
"bacterins" have come into use.
These products are still in the ex-
perimental stage. However, this line
of treatment holds forth the only hope
of effectually fighting the disease.
The germ which causes the disease
may be passed from cow to cow by
means of the bull, or may be taken
into the system with food and water.
All suspicious animals must be iso-
lated from the other animals of the
herd. The infected quarters must be
thoroughly disinfected.

Many owners fail to observe these
precautions, because they do not real-
ize in time that the infection is
present in their herds. The disease
does not reveal its presence by promi-
nent warnings and does not appear to
affect the general health of the ani-
mals. Often the entire herd is in-
fected before the owner knows it.

All infected animals do not abort.
After two or three abortions, cows
seem to acquire a natural immunity
and many continue to reproduce nor-
mally, although at the same time they
may be able to give the disease to
other animals.

When unmistakable evidences of the
disease are at hand the entire herd
should be considered infected. All
abortions, all retained after births and
any tendency to sterility should be re-
garded as signs of the disease. In herds
in which the disease has gained a
foothold, a cow that has aborted once
or twice may be more valuable
than one which has not. A few
cows will be made sterile by the at-
tack. The others will resume normal
breeding. They will be immune. If
they are removed from the herd to
make way for fresh non-immune cows,
the owner has in prospect a contin-
uous performance of trouble. The elim-
ination of infected animals from es-
tablished herds is, therefore, not re-
commended.

WE WELCOME SMALL SAVINGS

There is one feature about the Savings De-
partment of The Holston National Bank
which must commend it to the wage-work-
er who desires to make provision for the
"Rainy Day" and that is, that small sums
are as welcome to the bank as are the de-
posits of the capitalist. As a matter of fact,
this bank caters to the people who are strug-
gling to place themselves in a position of
independence.

Determine now not to let another day pass
without starting a Savings Account in

THE HOLSTON NATIONAL BANK

GAY STREET AND CLINCH AVE.

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COUNTY COURT LAND SALE.

No. 4072.

Margaret Evans et al. vs. Julia Young.
Pursuant to a decree pronounced in
the above cause at the January term,
1917, in the county court of Knox
county, Tennessee, I will offer for sale
to the highest bidder, at the north
door of the court house, in Knoxville,
Tenn., on Saturday, the 24th day of
February, 1917, at 11 o'clock a. m. the
lands described in the pleadings, sit-
uated in the eleventh district of Knox
county, Tennessee, fronting about 150
feet on the Wright's ferry pike, and
running back about 200 feet adjoining
McGuire, Galbraith and others, con-
taining one acre more or less.

Terms: Said land will be sold on a
credit of 6 and 12 months, taking in-
terest bearing notes with approved
security and retaining a lien on land
as further security, in bar of the
equity of redemption rights.

JESSE L. HENSON,
County Court Clerk.
SHERMAN R. MAPLES, Sol.
Feb. 3-10-17-24.

COUNTY COURT LAND SALE.

No. 3889.

H. L. England, Admr. vs. Wm. Shipe,
et al.

Pursuant to a decree pronounced in
the above cause at the January term,
1917, in the county court of Knox
county, Tennessee, I will offer for sale
to the highest bidder, at the north
door of the court house, in Knoxville,
Tenn., on Saturday, the 24th day of
February, 1917, at 11 o'clock a. m. the
lands described in the pleadings. Sit-
uated in the third civil district, first
tract beginning at a stake on the side
of a large ridge, Epps corner in line
of a fifty acre survey, thence with
Epps line S. 45 deg. E. 80 poles to two
black oaks, thence N. 46 E. 7 1-2 poles
to two black oaks corner to Harris old
tract, thence S. 40 E. 4 poles to a stake
in the great road, thence along said
road with the center of the same to a
line of a tract of land purchased by
Moses Sushy of Stephen Harris, thence
with said line 8 poles to a stake in
Alexander Morrow old line, thence
with said line due W. 31 poles to a
stake conditional corner between
Churley Morrow and Moses Sushy,
thence with a line made by said Mor-
row and Sushy N. 13 W. 29 poles to a
stake, thence N. 30 W. 36 poles to a
bunch of small hickory in Morrow's
old line, thence along said line to
beech at the branch corner to Stair's
and Sushy, thence with Stair's line to
the top of the ridge to the beginning,
the above mentioned tract of land is
situated on the waters of Dog's

branch in the aforesaid Knox county
and state of Tennessee, containing 52
acres more or less.

Second tract. Beginning at a stake
on the side of the hill in said Shipe's
line; thence 13 deg. E. 39 poles to a
stake in Geo. Shipe's line; thence with
said line due east 8 3-4 poles to a
stake; with a conditional line 40 poles
to the beginning, containing 1 acre
more or less.

Terms: Said land will be sold for
1-3 cash, balance in 6 months, taking
interest bearing note with good per-
sonal security and retaining a lien on
land as further security, in bar of all
homestead and equity of redemption
rights to all the parties hereto, sub-
ject to homestead and dower rights of
Leah E. Shipe.

JESSE L. HENSON,
County Court Clerk.
W. E. DRUMMOND, Sol.
2-3-10-17-24.

TO ERNEST A. TIPTON

Anna Blanch C. Tipton vs. Ernest
A. Tipton

State of Tennessee. In Chancery
Court of Knox County, No. 15131

In this cause, it appearing from
the bill filed which is sworn to, that
the defendant Ernest A. Tipton is a
non-resident of the State of Ten-
nessee, so that the ordinary process
cannot be served upon him, it is
ordered that said defendant appear
before the Chancery Court, at Knox-
ville, Tennessee, on or before the
first Monday of March next, and
make defense to said bill, or the
same will be taken for confessed
and the cause set for hearing ex
parte as to him. This notice will
be published in the KNOXVILLE
INDEPENDENT for four successive
weeks. This 2nd day of Feb. 1917.

J. C. FORD, C. & M.
Anderson & Thomason, Sol's.
Feb. 3 10 17 24 1917

TO SILAS WILLIAMS

Mattie Williams vs. Silas Williams
State of Tennessee. In Chancery
Court of Knox County, No. 15125

In this cause, it appearing from
the bill filed, which is sworn to, that
the defendant, Silas Williams is a
non-resident of Tennessee, so that
ordinary process cannot be served
on him, it is ordered that said defen-
dant appear before the Chancery
Court, at Knoxville, Tennessee, on or
before the first Monday of Mar-
ch next, and make defense to said bill,
or the same will be taken for confessed
and the cause set for hearing ex parte
as to him. This notice will be pub-
lished in the Knoxville Independent
for four consecutive weeks.

J. C. FORD, C. & M.
W. R. Henderson, Sol.
Feb. 3 10 17 24 1917

TO LUTHER MCBRYANT

Georgia McBryant vs. Luther McBryant
State of Tennessee. In Chancery
Court of Knox County, No. 15053

In this cause, it appearing from the
bill filed, which is sworn to, that the
defendant, Luther McBryant whose
residence is unknown and cannot be as-
certained after diligent inquiry so that
the ordinary process cannot be
served upon him, it is ordered that
said defendant appear before the
Chancery Court, at Knoxville, Ten-
nessee, on or before the 1st Monday of
March next, and make defense to said
bill, or the same will be taken for con-
fessed and the cause set for hearing
ex parte as to him. This notice will
be published in the Knoxville Inde-
pendent for four successive weeks.

This 2nd day of Feb 1917
J. C. FORD, Clerk & Master.
E. G. Stooksbury, Sol.
Feb. 3 10 17 24 1917

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